



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/621,224	07/16/2003	Rudolf Beisswanger	VO10202.DIV	1206

7590

11/03/2004

Todd T. Taylor  
Taylor & Aust, P.C.  
142 S. Main St.  
P.O. Box 560  
Avilla, IN 46710

EXAMINER

ALVO, MARC S

ART UNIT PAPER NUMBER

1731

DATE MAILED: 11/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/621,224

Applicant(s)

BEISSWANGER ET AL.

Examiner

Steve Alvo

Art Unit

1731

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 16 July 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-31 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-31 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☒ Certified copies of the priority documents have been received in Application No. 09/902,339.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 7-16-04.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over WO 98/33974 in view of LIEDES et al or DEVLIN or NIEMNEN et al.

WO 98/33974 teaches an apparatus for separating (see Figure 1A-1D) a flexible web (A) from an upstream section to a downstream section having two separation elements (C1 and C2) forming an edge strip (B) an adjoining transfer strip (A') and remaining web portion (A) and one deflection device, see the large arrow in Figures 1A and 1B for using an air jet for deflecting the edge strip away from the rest of the before it becomes the web. The edge strip in Figure 1A eventually becomes the web as it is shifted to the right as shown in Figure 1B, forming new edge strip (B). Both the instant Application and WO 98/33974 disclose cutting an edge strip using a first cutter, then forming a transfer (lead) strip with a second cutter and leading the cut edge strip away from the remaining web. The removal of the edge strip by deflection of the edge strip is taught by LIEDES et al (see abstract) or DEVLIN (see 91 and 92) or NIEMNEN et al (see abstract). It would have been obvious to the routineer that the edge strip of WO 98/33974 could have been deflected using the deflecting devices of LIEDES et al or DEVLIN or NIEMNEN et al. It would have been obvious that either the web or edge strip could be deflected as either one could be removed from the other, or both deflected from each other to perform the operation of separation. The edge strip of WO 98/33974 is originally cut by a first element (C1) which is close to the relevant web edge and activated before the second cutter C2. The end strip which

has been cut by the first activated element (C1) is tautened and led away by the rope draw (Figure 1A) to the pulper (Figure 2); a second element is then activated (C2) to change the edge strip into a lead strip (transfer slip), see Figures 2 and 3. Strip (A) of WO 98/33974, is tautened as it is deflected away from web A'. It would have been obvious that the edge strips of LIEDES et al or DEVLIN or NIEMNEN et al could be deflected in a similar manner e.g. tautened. See WO 98/33974, page 1, lines 7 and 8 for use in a paper or board machine; Figures 1B and 1F for feeding the edge strip into the pulper; See Figure 1D and page 2, lines 14-20, for the transfer or lead strip eventually being taken up in an upstream location at the full width of the web; see page 2, lines 25-32 wherein the lead in strip cutting and transfer device is at the end of the dryer section, e.g. last cylinder, of the drying section. WO 98/33974 teaches starting the lead in strip as a narrow strip (Figure 1A) to the entire width of the web (page 2, lines 25-32). The exact width of the various strips (A, A' and B) would be an obvious modification to one of ordinary skill in the art depending upon the width of the paper machine. WO 98/33974 teaches using liquid cutters, preferably water cutters and teaches the first cutter could be a cutter other than a water cutter (page 2, lines 4-5). It would have been obvious to use any conventional cutter, e.g. mechanical cutter, for the first cutter of WO 98/33974.

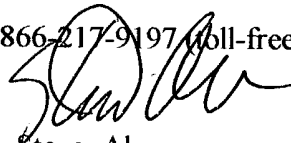
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steve Alvo whose telephone number is 571-272-1185. The examiner can normally be reached on 5:45 AM - 2:15 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Griffin can be reached on 571-272-1189. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number:  
10/621,224  
Art Unit: 1731

Page 4

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Steve Alvo  
Primary Examiner  
Art Unit 1731

msa